

CASCADE SILVER CO. MSDS FOR SILVER CHLORIDE

Section 1 - Product Identification

Product Name: Silver Chloride
Synonyms: N/A
Formula CAS No.: 7783-90-6
Molecular Wt.: 143.34
Chemical Formula: AgCl
Hazardous Ingredients: Not applicable
Date revised: Sep. 22, 2008

PRECAUTIONARY MEASURES

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

EMERGENCY / FIRST AID

See section 6
DOT Hazard Class: Not Regulated

Section 2 - Physical Data

Appearance: White to off-white granules or Powder
Odor: Odorless
Solubility: 0.000089g/100g water @ 10°C
Boiling Point: 1550°C
Melting Point: 455°C
Density: 5.56
Vapor density (Air=1): No information
Vapor Pressure (mm Hg): No information
Evaporation rate: No information

Section 3 - Fire and Explosion Information

Fire: Not considered to be a fire hazard
Explosion: Not considered to be an explosion hazard
Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire
Special information: Use protective clothing and breathing equipment appropriate for the surrounding fire.

Section 4 - Reactivity Data

Stability: Stable under ordinary conditions of use and storage. Becomes darker on exposure to light.
Hazardous Decomposition Products: Silver, Chlorine compounds.

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Hazardous Polymerization: This substance does not polymerize.

Incompatibilities: Alkali metals

Conditions to Avoid: Darkens on exposure to light.

Section 5 - Leak/Spill Disposal Information

Contain and recover spills when possible. Ventilate area of leak or spill. Clean-up personnel may require protective clothing and respiratory protection from dust. Spills; Sweep up and containerize for reclamation. Avoid dust dispersal. Disposal: Whatever cannot be reclaimed can be disposed as hazardous waste in a RCRA approved waste disposal facility.

Ensure compliance with local, state and federal regulations.

Section 6 - Health Hazard Information

Health: 2
Flammability: 0
Reactivity: 0
Protection: E

A. EXPOSURE / HEALTH EFFECTS

Inhalation: Nuisance dust. May cause coughing, sneezing.

Ingestion: Low toxicity due to insolubility .

Skin Contact: May cause darkening of skin.

Eye Contact: No adverse effects expected but dust may cause mechanical irritation.

Chronic exposure: Prolonged or repeated inhalation, application, or ingestion of silver compounds may cause bluish discoloration of the skin and mucous membranes.

Aggravation of Pre-existing Conditions: No adverse health effects expected.

B. FIRST AID

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: Give several glasses of water to dilute.

Skin Exposure: Wash with soap and water.

Eye Exposure: Wash thoroughly with running water.

C. TOXICITY DATA

No LD50/LC50 information found relating to normal routes of occupational exposure.

Section 7 - Occupational Control Measures

Airborne exposure limits: -ACGIH Threshold Limit Value (TLV): 0.01 mg(Ag)/m³ for soluble silver compounds.

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Ventilation System: In general, dilution ventilation is a satisfactory health hazard control for this substance.
Personal Respirators: Where exposure to the dust is apparent, a dust/mist respirator may be worn, NIOSH Approved.

Skin Protection: Wear protective gloves and clean body covering clothing.
Eye Protection: Use chemical safety goggles. Maintain eyewash fountain and quick drench facilities nearby.

Section 8 - Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Silver chloride

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):

R36/38- Irritating to eyes and skin. S2- Keep out of the reach of children. S24/25- Avoid contact with skin and eyes. S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

Revision history:

8-24-97

9-25-99

9-17-02

9-06-04

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